

=====

Sequence Listing was accepted.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).

Reviewer: markspencer

Timestamp: [year=2010; month=5; day=21; hr=11; min=49; sec=14; ms=900;]

=====

Application No: 10528496 Version No: 2.0

Input Set:

Output Set:

Started: 2010-05-20 16:51:43.272
Finished: 2010-05-20 16:51:48.426
Elapsed: 0 hr(s) 0 min(s) 5 sec(s) 154 ms
Total Warnings: 15
Total Errors: 33
No. of SeqIDs Defined: 15
Actual SeqID Count: 15

| Error code | Error Description |
|------------|--|
| W 213 | Artificial or Unknown found in <213> in SEQ ID (1) |
| E 257 | Invalid sequence data feature in <221> in SEQ ID (1) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (2) |
| E 257 | Invalid sequence data feature in <221> in SEQ ID (2) |
| E 257 | Invalid sequence data feature in <221> in SEQ ID (2) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (3) |
| E 257 | Invalid sequence data feature in <221> in SEQ ID (3) |
| E 257 | Invalid sequence data feature in <221> in SEQ ID (3) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (4) |
| E 257 | Invalid sequence data feature in <221> in SEQ ID (4) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (5) |
| E 257 | Invalid sequence data feature in <221> in SEQ ID (5) |
| E 257 | Invalid sequence data feature in <221> in SEQ ID (5) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (6) |
| E 257 | Invalid sequence data feature in <221> in SEQ ID (6) |
| E 257 | Invalid sequence data feature in <221> in SEQ ID (6) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (7) |
| E 257 | Invalid sequence data feature in <221> in SEQ ID (7) |
| E 257 | Invalid sequence data feature in <221> in SEQ ID (7) |
| E 257 | Invalid sequence data feature in <221> in SEQ ID (7) |

Input Set:

Output Set:

Started: 2010-05-20 16:51:43.272
Finished: 2010-05-20 16:51:48.426
Elapsed: 0 hr(s) 0 min(s) 5 sec(s) 154 ms
Total Warnings: 15
Total Errors: 33
No. of SeqIDs Defined: 15
Actual SeqID Count: 15

| Error code | Error Description |
|------------|--|
| W 213 | Artificial or Unknown found in <213> in SEQ ID (8) |
| E 257 | Invalid sequence data feature in <221> in SEQ ID (8) |
| E 257 | Invalid sequence data feature in <221> in SEQ ID (8) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (9) |
| E 257 | Invalid sequence data feature in <221> in SEQ ID (9) |
| E 257 | Invalid sequence data feature in <221> in SEQ ID (9) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (10) |
| E 257 | Invalid sequence data feature in <221> in SEQ ID (10) |
| E 257 | Invalid sequence data feature in <221> in SEQ ID (10) |
| E 257 | Invalid sequence data feature in <221> in SEQ ID (10) This error has occurred more than 20 times, will not be displayed |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (11) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (12) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (13) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (14) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (15) |

SEQUENCE LISTING

<110> Lambris, John D.

<120> Compstatin Analogs with Improved Activity

<130> 34092-001 (P2942)

<140> 10528496

<141> 2010-05-20

<150> PCT/US03/29653

<151> 2003-09-22

<150> US 60/412,220

<151> 2002-09-20

<160> 15

<170> PatentIn version 3.4

<210> 1

<211> 13

<212> PRT

<213> Artificial sequence

<220>

<223> synthetic sequence

<220>

<221> DISULFID

<222> (2)..(12)

<220>

<221> MOD_RES

<222> (13)..(13)

<223> AMIDATION

<400> 1

Ile Cys Val Val Gln Asp Trp Gly His His Arg Cys Thr

1 5 10

<210> 2

<211> 13

<212> PRT

<213> Artificial sequence

<220>

<223> synthetic sequence

<220>

<221> MOD_RES

<222> (1)..(1)

<223> ACETYLATION

<220>

<221> DISULFID

<222> (2)..(12)

<220>

<221> MOD_RES

<222> (13)..(13)

<223> AMIDATION

<400> 2

Ile Cys Val Val Gln Asp Trp Gly His His Arg Cys Thr
1 5 10

<210> 3

<211> 13

<212> PRT

<213> Artificial sequence

<220>

<223> synthetic sequence

<220>

<221> MOD_RES

<222> (1)..(1)

<223> ACETYLATION

<220>

<221> DISULFID

<222> (2)..(12)

<220>

<221> MOD_RES

<222> (13)..(13)

<223> AMIDATION

<400> 3

Ile Cys Val Tyr Gln Asp Trp Gly Ala His Arg Cys Thr
1 5 10

<210> 4

<211> 13

<212> PRT

<213> Artificial sequence

<220>

<223> synthetic sequence

<220>

<221> MOD_RES

<222> (1)..(1)
<223> ACETYLATION

<220>
<221> DISULFID
<222> (2)..(12)

<400> 4

Ile Cys Val Trp Gln Asp Trp Gly Ala His Arg Cys Thr
1 5 10

<210> 5
<211> 13
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic sequence

<220>
<221> MOD_RES
<222> (1)..(1)
<223> ACETYLATION

<220>
<221> DISULFID
<222> (2)..(12)

<220>
<221> MOD_RES
<222> (13)..(13)
<223> AMIDATION

<400> 5

Ile Cys Val Trp Gln Asp Trp Gly Ala His Arg Cys Thr
1 5 10

<210> 6
<211> 13
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic sequence

<220>
<221> MOD_RES
<222> (1)..(1)
<223> ACETYLATION

<220>

<221> DISULFID
<222> (2)..(12)

<220>
<221> MOD_RES
<222> (13)..(13)
<223> D-threonine

<400> 6

Ile Cys Val Trp Gln Asp Trp Gly Ala His Arg Cys Thr
1 5 10

<210> 7
<211> 13
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic sequence

<220>
<221> MOD_RES
<222> (1)..(1)
<223> ACETYLATION

<220>
<221> DISULFID
<222> (2)..(12)

<220>
<221> MOD_RES
<222> (4)..(4)
<223> Xaa is 2-naphthylalanine

<220>
<221> MOD_RES
<222> (13)..(13)
<223> AMIDATION

<400> 7

Ile Cys Val Xaa Gln Asp Trp Gly Ala His Arg Cys Thr
1 5 10

<210> 8
<211> 13
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic sequence

<220>
<221> MOD_RES
<222> (1)..(1)
<223> ACETYLATION

<220>
<221> DISULFID
<222> (2)..(12)

<220>
<221> MOD_RES
<222> (4)..(4)
<223> Xaa is 2-naphthylalanine

<400> 8

Ile Cys Val Xaa Gln Asp Trp Gly Ala His Arg Cys Thr
1 5 10

<210> 9
<211> 13
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic sequence

<220>
<221> MOD_RES
<222> (1)..(1)
<223> ACETYLATION

<220>
<221> DISULFID
<222> (2)..(12)

<220>
<221> MOD_RES
<222> (4)..(4)
<223> Xaa is 1-naphthylalanine

<400> 9

Ile Cys Val Xaa Gln Asp Trp Gly Ala His Arg Cys Thr
1 5 10

<210> 10
<211> 13
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic sequence

<220>
<221> MOD_RES
<222> (1)..(1)
<223> ACETYLATION

<220>
<221> DISULFID
<222> (2)..(12)

<220>
<221> MOD_RES
<222> (4)..(4)
<223> Xaa is 2 indanylglycine carboxylic acid

<220>
<221> MOD_RES
<222> (13)..(13)
<223> AMIDATION

<400> 10

Ile Cys Val Xaa Gln Asp Trp Gly Ala His Arg Cys Thr
1 5 10

<210> 11
<211> 13
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic sequence

<220>
<221> MOD_RES
<222> (1)..(1)
<223> ACETYLATION

<220>
<221> DISULFID
<222> (2)..(12)

<220>
<221> MOD_RES
<222> (4)..(4)
<223> Xaa is 2 indanylglycine carboxylic acid

<400> 11

Ile Cys Val Xaa Gln Asp Trp Gly Ala His Arg Cys Thr
1 5 10

<210> 12
<211> 13

<212> PRT
<213> Artificial sequence

<220>
<223> synthetic sequence

<220>
<221> MOD_RES
<222> (1)..(1)
<223> ACETYLATION

<220>
<221> DISULFID
<222> (2)..(12)

<220>
<221> MOD_RES
<222> (4)..(4)
<223> Xaa is dihydrotryptophan

<400> 12

Ile Cys Val Xaa Gln Asp Trp Gly Ala His Arg Cys Thr
1 5 10

<210> 13
<211> 13
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic sequence

<220>
<221> MOD_RES
<222> (1)..(1)
<223> ACETYLATION

<220>
<221> DISULFID
<222> (2)..(12)

<220>
<221> MOD_RES
<222> (4)..(4)
<223> Xaa is benzoylphenylalanine

<400> 13

Ile Cys Val Xaa Gln Asp Trp Gly Ala His Arg Cys Thr
1 5 10

<210> 14

<211> 16
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic sequence

<220>
<221> DISULFID
<222> (3)..(13)

<400> 14

Gly Ile Cys Val Trp Gln Asp Trp Gly Ala His Arg Cys Thr Ala Asn
1 5 10 15

<210> 15
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> synthetic sequence

<220>
<221> MOD_RES
<222> (1)..(1)
<223> Xaa is missing or is Gly

<220>
<221> MOD_RES
<222> (2)..(2)
<223> Xaa is Ile, Val, Leu, Ac-Ile, Ac-Val, or Ac-Leu

<220>
<221> DISULFID
<222> (3)..(13)

<220>
<221> MOD_RES
<222> (5)..(5)
<223> Xaa is Trp or a peptidic or non-peptidic analog of Trp

<220>
<221> MOD_RES
<222> (10)..(10)
<223> Xaa is His, Ala, Phe or Trp

<220>
<221> MOD_RES
<222> (14)..(14)
<223> Xaa is L-Thr, D-Thr, Ile, Val or Gly, any of which may be amidated

<220>
<221> MOD_RES
<222> (15)..(15)
<223> Xaa is missing or is Ala

<220>
<221> MOD_RES
<222> (16)..(16)
<223> Xaa is missing or is Asn, which may be amidated

<400> 15

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Xaa | Xaa | Cys | Val | Xaa | Gln | Asp | Trp | Gly | Xaa | His | Arg | Cys | Xaa | Xaa | Xaa |
| 1 | | | 5 | | | | | 10 | | | | | | 15 | |